

Amendments to the Specification

Please replace equation (1) on page 7, line 35 as follows:

$$\Psi(t) = \int_0^t [U_{CT}(t) - R_{CT} \cdot I_{CT}(t)] dt + \psi_0$$

$$\psi(t) = \int_0^t [V_{CT}(t) - R_{CT} \cdot I_{CT}(t)] dt + \psi_0$$

Please replace equation (5) on page 14, line 12 as follows:

$$R_{eddy} = \frac{U C_{rms1}^2}{\beta \cdot f_1^2} = \frac{U C_{rms2}^2}{\beta \cdot f_2^2}$$

$$R_{eddy} = \frac{V C_{rms1}^2}{\beta \cdot f_1^2} = \frac{V C_{rms2}^2}{\beta \cdot f_2^2}$$

Please replace the second part of equation (6) on page 15, line 32 as follows:

$$I_L = I_{ct} - \frac{U_C}{R_{eddy}}$$

$$I_L = I_{ct} - \frac{V_C}{R_{eddy}}$$

Please replace the first part of equation (10) on page 18, line 28 as follows:

$$I_{ct} = I_L + \frac{U_C}{R_{eddy}}$$

$$I_{ct} = I_L + \frac{V_C}{R_{eddy}}$$

Please replace the first part of equation (11) on page 19, line 11 as follows:

$$U_{CT} = \frac{\pi}{T\sqrt{8}} \int_0^T U_{CT}(t) dt$$

$$V_{CT} = \frac{\pi}{T\sqrt{8}} \int_0^T V_{CT}(t) dt$$